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Mr. Glenn Delgado

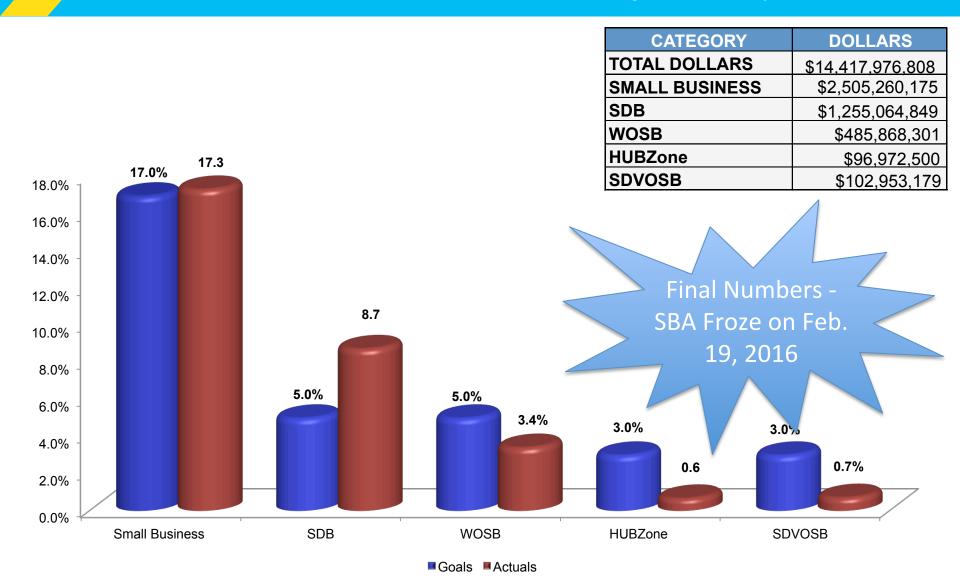
NASA'S HBCU/MSI TECHNOLOGY INFUSION ROAD TOUR AT THE UNIVERSITY OF TEXAS AT EL PASO

TUESDAY, APRIL 19, 2016

NASA Agency September FY15

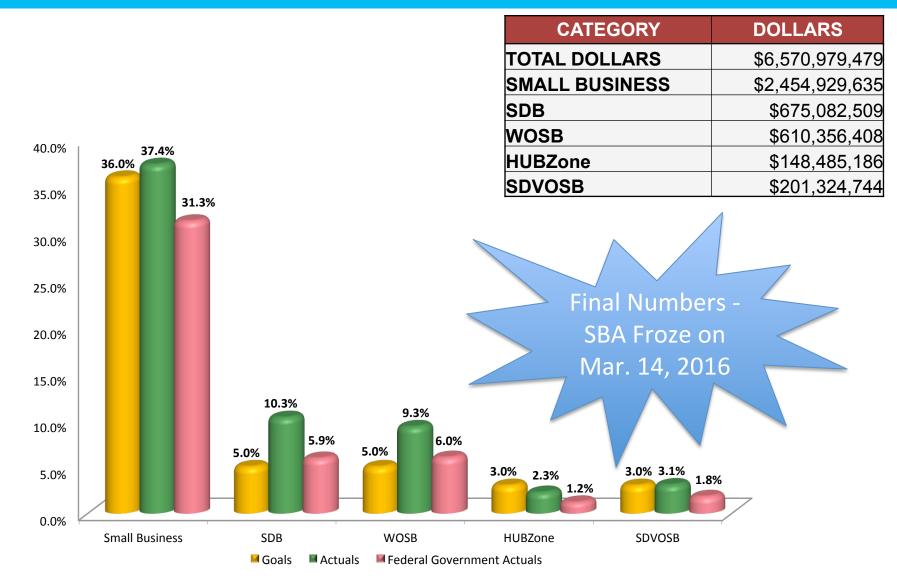
Prime Goals vs. Actual Percentages

Data generated February 19, 2016 from FPDS-NG

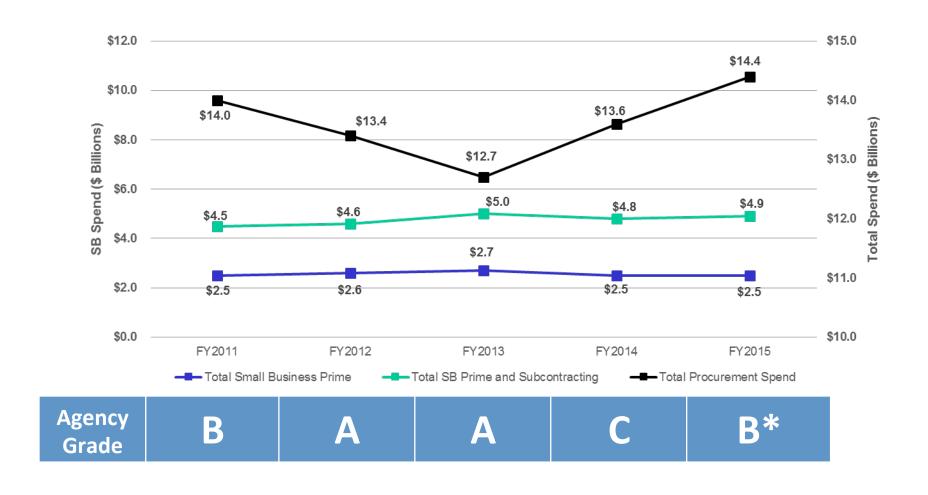


NASA FY15 Subcontracting Goals vs. Actual Percentages - End-Year

Data pulled March 14, 2016 from eSRS

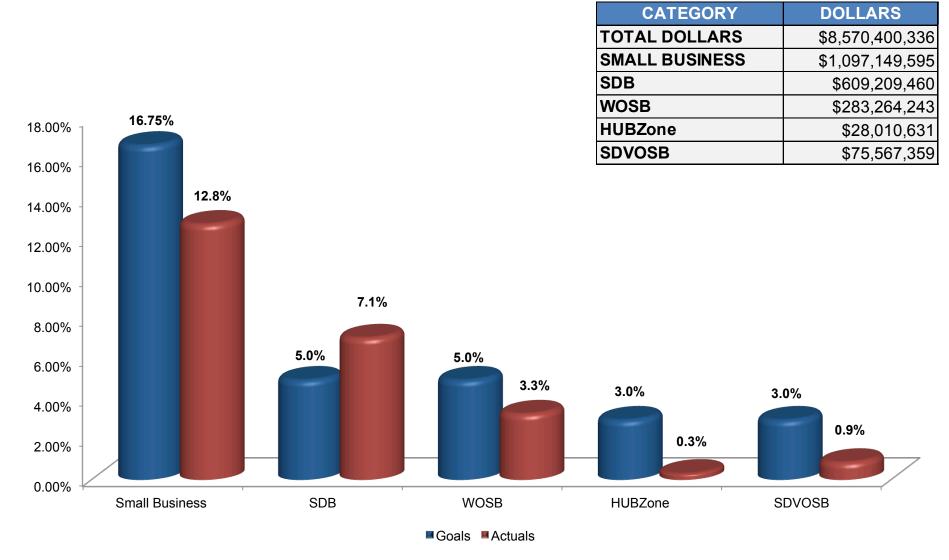


National Aeronautics and Space Administration (NASA) Data from SBA Scorecards FY11-FY15



NASA Agency March FY16 Prime Goals vs. Actual Percentages

Data generated April 5, 2016 from FPDS-NG



- Administrator Bolden reemphasized the mandated 1% HBCU/MSI goal in an agency-wide memorandum
 - As other prime contractors may have experienced, NASA's challenge is meeting and exceeding the HBCU/MSI goal, both prime and subcontracts



- Beginning in FY2014, OSBP, NASA's Office of Education and Marshall Space Flight Center collaboratively started the HBCU/MSI Partnerships Meeting
 - In FY2014, <u>15</u> Universities/Institutions attended the Partnerships Meeting
 - In FY2015, 28 Universities/Institutions attended the Partnerships Meeting
 - As a result of the FY2014 Partnerships meeting, Teledyne Brown Engineering established 2 Mentor-Protégé Agreements with University of Nevada – Las Vegas and Alabama State University
 - Next HBCU/MSI Partnerships Meeting scheduled February 15, 2017
- In February 2016, Marshall Space Flight Center hosted the first HBCU/MSI Joint Counseling Initiative Meeting
 - 8 University/Institution representatives briefed over 25 prime contractors on past and present government contracts (prime and subcontracts), Universities capabilities and program

- Newest Initiative: NASA HBCU/MSI Technology Infusion Road Tour
- Designed to assist NASA and Large Prime Contractors meet and/or exceed the mandated HBCU/MSI goal through utilization of the NASA's various programs (i.e. SBIR/STTR, Mentor-Protégé Program, etc.)
 - An open platform for HBCU and MSI representatives (i.e. Deans, Professors, Faculty) to learn about the NASA MPP, SBIR/STTR and processes on how to become involved in NASA contracts

- <u>2</u> Newest HBCU/MSI Mentor-Protégé Agreements at MSFC
 - Teledyne Brown Engineering and Alabama State University
 - Teledyne Brown Engineering and University of Nevada Las Vegas
- <u>4</u> expired HBCU/MSI Mentor-Protégé Agreements:
 - Science Applications International Corporation (SAIC) and Oakwood University
 - Agreement Period of Performance: January 2009 December 2011
 - Value of Agreement: \$126K
 - Developmental Assistance Provided:
 - Enhancement of Networking Infrastructure, Curriculum Enhancements SharePoint, JAVA and Helpdesk System Support, Federal Contracting Training, Quality Management, Oakwood University Internship Developmental Assistance, Help Desk System establishment, Financial System Study/ Survey
 - Jacobs Technology and Tuskegee University
 - Agreement Period of Performance: April 2010 March 2013
 - Value of Agreement: \$179K
 - Developmental Assistance Provided:
 - Technology Transfer, Six Sigma, AS9100 Certification, Proposal Development, Marketing Expertise Development, Infrastructure for Subcontracting (including Business Systems, Human Resources)

- Pratt & Whitney Rocketdyne and Alabama A&M University
 - Agreement Period of Performance: July 2012 July 2014
 - Value of Agreement: \$398K
 - September 2015 Held a One Year Mentor-Protégé Annual Review and toured campus with Administrator Bolden
 - Developmental Assistance Provided:
 - Job Shadowing (Engineering and Business), Equipment Transfer, Engineering Training to Students, Research & Development, Leadership Academy, Workforce Readiness Workshops, Advisory Board Participant, and more
 - Benefits to Aerojet Rocketdyne:
 - Engage directly with students and provide guidance in aerospace industry
 - Students are flexible and provide report of fluctuations; motivated to lead projects and produce high value quality work

Benefits to AAMU:

- RISE foundation was established as a 501 (c)3 which is able to operate to focus on contracts to be efficient and effective; AAMU has contracts in place right now
- MDA; Jacobs (ESSSA); SGT; Calibre (Mentor-Protege Support), Teledyne Brown Engineering, Aerojet Rocketdyne
- 50 students currently working on 3 projects; NASA Student Launch, Mars exploration rover;
 Formula SAE
- Alabama A&M University received a lathe machine from Aerojet Rocketdyne as developmental assistance; Total value of the lathe machine vluaed at \$400K









- ATK Aerospace and Florida A&M University
 - Agreement Period of Performance: December 2013 September 2014
 - Value of Agreement: \$71K
 - Developmental Assistance Provided:
 - PES/Six Sigma Training, Hardware Processing Services, Value Stream Mapping,
 Marketing Individual Development
 - Agreement Lessons Learned:
 - One of the biggest lessons learned was to ensure the necessary contacts were involved in the conversation, both technical and business subject matter experts, in order to discuss expectations
 - Communication is the most important and crucial factor in the relationships

HBCU/MSI Technology Infusion Road Tour Goals

- By the end of the Road Tour event HBCUs/MSIs will:
 - Understand the Mentor-Protégé & SBIR/STTR Programs and the benefits
 - Know how to conduct a thorough needs assessment and provide effective capability statements to large prime contractors
 - Understand federal government acquisitions and contracts in order to respond to various acquisition inquiries (i.e. Request for Information, Request for Proposals, Sources Sought)
 - Know how to engage with Large Business contractors and establish resources needed to maximize the success from a NASA Mentor-Protégé Agreement
- By the end of the Road Tour event Large Prime Contractors will:
 - Have greater knowledge of HBCUs/MSIs capabilities
 - Enhance its base of HBCU/MSI
 - Potentially increase workforce from new graduates / interns from participating HBCUs/ MSIs
- By the end of the Road Tour event NASA will:
 - Increase HBCU/MSI engagement in NASA opportunities
 - Infuse HBCU/MSI technology and capabilities to assist with meeting and exceeding NASA's mission



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